STIC Biotechnology Systems Branch

·RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10 580, 922

Source: I-TWO

Date Processed by STIC: 3/19/07

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF·SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO **REDUCE** ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
        http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<**http://www.uspto.gov/ebc/efs/downloads/documents.htm>** , **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):**
   U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary
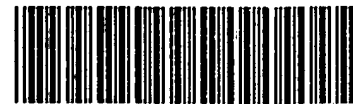
ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 10/580,922

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 _____ Wrapped Nucleics
Wrapped Aminos

The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 _____ Invalid Line Length

The rules require that a line not exceed 72 characters in length. This includes white spaces.

3 _____ Misaligned Amino Numbering

The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use **space characters**, instead.

4 _____ Non-ASCII

The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**

5 _____ Variable Length

Sequence(s) _____ contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 _____ PatentIn 2.0 "bug"

A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

7 _____ Skipped Sequences (OLD RULES)

Sequence(s) _____ missing. If intentional, please insert the following lines for **each** skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i)   SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.

8 _____ Skipped Sequences (NEW RULES)

Sequence(s) _____ missing. If **intentional**, please insert the following lines for **each** skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 _____ Use of n's or Xaa's (NEW RULES)

Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 _____ Invalid <213> Response

Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence

11 _____ Use of <220>

Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32)   (Sec. 1.823 of Sequence Rules)

12 _____ PatentIn 2.0 "bug"

Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 _____ Misuse of n/Xaa

"n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid

AMC – Biotechnology Systems Branch – 09/09/2003

IFWO

RAW SEQUENCE LISTING   DATE: 03/19/2007
PATENT APPLICATION: US/10/580,922   TIME: 14:32:44

Input Set : N:\efs\03_19_07\10580922_efs\34905391.TXT
Output Set: N:\CRF4\03192007\J580922.raw

```
 1 <110> APPLICANT: Barry Slobedman
 2        Allison Denise Abendroth
 3        Christina Anne Jenkins
 5 <120> TITLE OF INVENTION: LATENT PHASE VIRAL INTERLEUKIN-10-(VII-10) AND USES THEREOF
 7 <130> FILE REFERENCE: SPRUS61.001APC
 9 <140> CURRENT APPLICATION NUMBER: US 10/580,922
10 <141> CURRENT FILING DATE: 2006-05-30
12 <150> PRIOR APPLICATION NUMBER: PCT/AU2004/001675
13 <151> PRIOR FILING DATE: 2004-11-26
15 <150> PRIOR APPLICATION NUMBER: AU 2003906613
16 <151> PRIOR FILING DATE: 2003-11-28
18 <160> NUMBER OF SEQ ID NOS: 10
20 <170> SOFTWARE: PatentIn Ver. 2.1
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 749
24 <212> TYPE: DNA
25 <213> ORGANISM: Cytomegalovirus
27 <220> FEATURE:
28 <221> NAME/KEY: VARIANT
29 <222> LOCATION: 746
30 <223> OTHER INFORMATION: m = a or c
32 <400> SEQUENCE: 1
33 cataaaggac cacctacctg ggacgcgcag ttgggcggcg gactgggacg gcatgctgcg 60
34 gtgatgctgt cggtgatggt ctcttcctct ctggtcctga tcgtctttt  tctaggcgct 120
35 tccgaggagg cgaagccggc gacgacgacg acgataaaga atacaaagcc gcagtgtcgt 180
36 ccagaggatt acgcgaccag attgcaagat ctccgcgtca cctttcatcg agtaaaacct 240
37 acgttgcaac gtgaggacga ctactccgtg tggctcgacg gtacggtggt caaaggctgt 300
38 tggggatgca gcgtcatgga ctggttgttg aggcggtatc tggagatcgt gttccccgca 360
39 ggcgaccacg tctatcccgg actcaagacg gaattgcata gtatgcgctc gacgctagaa 420
40 tccatctaca aagacatgcg gcaatgcgta agtgtctctg tggcggcgct gtccgcacag 480
41 aggtaacaac gtgttcatag cacgctgttt tactttgtc  gggctcccag cctctgttag 540
42 gttgcggaga taagtccgtg attagtcggc tgtctcagga ggcggaaagg aaatcggata 600
43 acggcacgcg gaaaggtctc agcgagttgg acacgttgtt tagccgtctc gaagagtatc 660
44 tgcactcgag aaagtagcgt tgcgatttgc agtccgctcc ggtgtcgttc acccagttac 720
W--> 45 tttaataaac gtactgttta accrbmdcn                                  749
48 <210> SEQ ID NO: 2
49 <211> LENGTH: 19
50 <212> TYPE: DNA
51 <213> ORGANISM: Cytomegalovirus
53 <400> SEQUENCE: 2
54 actattctaa ccgcggaag                                             19
57 <210> SEQ ID NO: 3
58 <211> LENGTH: 23
```

Does Not Comply
Corrected Diskette Needed
(pg.1)

See item #9 on error summary sheet.

pls explain "N" location.

```
 59 <212> TYPE: DNA
 60 <213> ORGANISM: Cytomegalovirus
 62 <400> SEQUENCE: 3
 63 cataaaggac cacctacctg gga                                   23
 66 <210> SEQ ID NO: 4
 67 <211> LENGTH: 32
 68 <212> TYPE: DNA
 69 <213> ORGANISM: Cytomegalovirus
 71 <400> SEQUENCE: 4
 72 tacaaagccg cagtgtcgtc cagaggatta cg                         32
 75 <210> SEQ ID NO: 5
 76 <211> LENGTH: 26
 77 <212> TYPE: DNA
 78 <213> ORGANISM: Cytomegalovirus
 80 <400> SEQUENCE: 5
 81 caacaaccag tccatgacgc tgcatc                                26
 84 <210> SEQ ID NO: 6
 85 <211> LENGTH: 27
 86 <212> TYPE: DNA
 87 <213> ORGANISM: Cytomegalovirus
 89 <400> SEQUENCE: 6
 90 gtagatggat tctagcgtcg agcgcat                               27
 93 <210> SEQ ID NO: 7
 94 <211> LENGTH: 27
 95 <212> TYPE: DNA
 96 <213> ORGANISM: Cytomegalovirus
 98 <400> SEQUENCE: 7
 99 tcctgagaca gccgactaat cacggac                               27
102 <210> SEQ ID NO: 8
103 <211> LENGTH: 28
104 <212> TYPE: DNA
105 <213> ORGANISM: Cytomegalovirus
107 <400> SEQUENCE: 8
108 tctcgagtgc agatactctt cgagacgg                              28
111 <210> SEQ ID NO: 9
112 <211> LENGTH: 28
113 <212> TYPE: DNA
114 <213> ORGANISM: Cytomegalovirus
116 <400> SEQUENCE: 9
117 gaccaccgta ccgtcgagcc acacggag                              28
120 <210> SEQ ID NO: 10
121 <211> LENGTH: 139
122 <212> TYPE: PRT
123 <213> ORGANISM: Cytomegalovirus
125 <400> SEQUENCE: 10
126 Met Leu Ser Val Met Val Ser Ser Leu Val Leu Ile Val Phe Phe
127   1               5                  10                  15
129 Leu Gly Ala Ser Glu Glu Ala Lys Pro Ala Thr Thr Thr Ile Lys Asn
130              20                  25                  30
```

RAW SEQUENCE LISTING   DATE: 03/19/2007
PATENT APPLICATION: US/10/580,922   TIME: 14:32:44

Input Set : **N:\efs\03_19_07\10580922_efs\34905391.TXT**
Output Set: **N:\CRF4\03192007\J580922.raw**

```
132 Thr Lys Pro Gln Cys Arg Pro Glu Asp Tyr Ala Thr Arg Leu Gln Asp
133         35              40              45
135 Leu Arg Val Thr Phe His Arg Val Lys Pro Thr Leu Gln Arg Glu Asp
136      50              55              60
138 Asp Tyr Ser Val Trp Leu Asp Gly Thr Val Val Lys Gly Cys Trp Gly
139 65              70              75                  80
141 Cys Ser Val Met Asp Trp Leu Leu Arg Arg Tyr Leu Glu Ile Val Phe
142              85              90                  95
144 Pro Ala Gly Asp His Val Tyr Pro Gly Leu Lys Thr Glu Leu His Ser
145          100              105             110
147 Met Arg Ser Thr Leu Glu Ser Ile Tyr Lys Asp Met Arg Gln Cys Val
148      115             120                 125
150 Ser Val Ser Val Ala Ala Leu Ser Ala Gln Arg
151      130             135
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 03/19/2007
PATENT APPLICATION: US/10/580,922   TIME: 14:32:45

Input Set : **N:\efs\03_19_07\10580922_efs\34905391.TXT**
Output Set: **N:\CRF4\03192007\J580922.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 749

VERIFICATION SUMMARY   DATE: 03/19/2007
PATENT APPLICATION: **US/10/580,922**   TIME: 14:32:45

Input Set : **N:\efs\03_19_07\10580922_efs\34905391.TXT**
Output Set: **N:\CRF4\03192007\J580922.raw**

L:45 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:720